



1939L 19" LCD Open-Frame Touchmonitor

High-quality panel and choice of touch technology in a compact form factor

The Elo TouchSystems 1939L 19" LCD open-frame touchmonitor delivers a cost-effective touch solution for OEM's and systems integrators, and complements the expanding family of Elo touch solutions for applications in the retail self-service and gaming/amusement markets. This compact touchmonitor is "designed for touch" with proven Elo expertise and reliability built in, not added later by altering an existing monitor.

The 1939L features a brilliant wide-viewing-angle panel to instantly grab and hold the users' attention, whether they are checking out retail goods with a self-service kiosk or playing games in a casino or arcade. Because the enclosure is controlled by specifications and tooling, Elo open-frame touchmonitors have a history of product availability—important for continuity through all phases of project rollouts and when servicing. The 1939L also features a unique, injection-molded minibezel with a virtually invisible watertight seal, making it well-suited for the rigors of public use.

Narrow borders, multiple mounting options, and a dual serial/USB touch interface add to the versatility of the 1939L. Worldwide agency approvals, as set forth on the back side of the spec sheet, cover the entire monitor that is designed, built and supported by a true single source supplier.

Benefits

- Bright, high contrast display with wide-viewing angle to attract and hold users' attention
- Choice of Elo touch technologies
- "Designed for touch" from the ground up: includes a protective minibezel for sealing against liquids
- Slim and compact outer dimensions
- Enclosure controlled by Elo specifications
- Multiple mounting options
- Dual serial and USB connectivity
- Worldwide agency approvals
- Three-year standard warranty
- Designed, built, and supported by Elo

Applications

- Casino and amusement games
- Information kiosks
- Self-service
- Industrial process control



1939L 19" LCD Open-Frame Touchmonitor Specifications

Case/Bezel color	Steel/black
Display type	Active matrix TFT LCD
Display size	19.0" diagonal
Useful screen area	Horizontal/vertical 14.8" (376 mm)/11.9" (301 mm)
Monitor dimensions	Width: 16.3" (415 mm) Height: 13.5" (343 mm) Depth: 2.0" (51 mm)
Optimal (native) resolution	1280 x 1024
Other supported resolutions	1280 x 1024 60, 70, 75 Hz; 1280 x 960 60 Hz; 1152 x 864 75 Hz; 1024 x 768 60, 70, 75 Hz; 1024 x 768 65 Hz (Sun); 832 x 624 75 Hz (Mac); 800 x 600 56, 60, 72, 75 Hz; 720 x 400 70 Hz; 720 x 350 70 Hz; 640 x 480 60, 72, 75 Hz; 640 x 480 66 Hz (Mac)
Colors	16.7 million colors
Brightness (typical)	LCD panel: 250cd/m ² with AccuTouch: 200 cd/m ² with Acoustic Pulse Recognition: 230 cd/m ² with CarrollTouch: 230 cd/m ² with IntelliTouch: 230 cd/m ² with SecureTouch: 230 cd/m ² with Surface Capacitive: 212 cd/m ²
Response time (typical)	20 msec (combined rise/fall)
Viewing angle (typical at a CR>10)	Horizontal (left/right) 89°/89° Vertical (up/down) 89°/89°
Contrast ratio	1000:1
Input video format	RGB analog
Input sync format	Separate H & V sync, composite sync, and sync-on-green
Input video signal connector	Mini D-Sub 15-Pin VGA type
Scanning frequency	Horizontal/vertical 31.5 - 80.0 kHz/56.3 - 75 Hz
Power dissipation	Monitor only 46 W (max.) Monitor and power brick 50 W (max.)
Power supply	External AC to DC power brick is provided
Input voltage requirement	Monitor input +12VDC ± 5%, 3.2A typical, 3.8A maximum AC to DC power brick input 100-240 VAC, 50/60Hz
Temperature	Operating/storage 0°C to 40°C/-20°C to 60°C
Humidity (non-condensing)	Operating/storage 20% to 80%/10% to 90%
Mean time between failures (MTBF)	50,000 hours demonstrated
Backlight lamp life (typical)	50,000 hours to half brightness
Weight (approx.)	Actual/shipping 5.2 kg (11.5 lbs)/7.3 kg (16.1 lbs)
Other Features	Digital on-screen display (OSD); Fully RoHS compliant; Patent pending bezel seal and patented touch technology
Mounting options	75 mm and 100 mm VESA mounting; rear mount with or without bezel, mounting brackets (included)
User's controls	OSD buttons: menu, left, right, select, power; OSD: contrast, brightness, H/V position, RGB (color temp), clock, phase, recall, language (English, German, Spanish, Japanese, French); OSD disable/enable, power disable/enable; optional remote OSD
Warranty	Touchmonitor: 3 years
Touch interface	Serial and USB
Agency certifications	UL, cUL, SEMKO, CB, TÜV-T, CE/FCC/VCCI/IC/C-TICK (Class B)

To find out more about Elo's extensive range of touch solutions, go to www.elotouch.com, or call the office nearest you.

North America

800-ELO-TOUCH
Elo TouchSystems
301 Constitution Drive
Menlo Park, CA 94025-1110
Tel 1-650-361-4800
Fax 1-650-361-4722
customerservice@elotouch.com

Europe

Tel +32 (0)16 35 21 00
Fax +32 (0)16 35 21 01
elosales@elotouch.com

Asia-Pacific

Tel +81 (45) 478-2161
Fax +81 (45) 478-2180
www.tps.co.jp

Latin America

Tel 786-923-0251
Fax 305-931-0124
www.elotouch.com.ar



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